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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,481	02/05/2004	David J. Coxon	02-ELT-833	4981
75	90 04/15/2005		EXAM	INER
Paul S. Rulon			BONCK, R	ODNEY H
1111 Superior A	Avenue			
Cleveland, OH	44114		ART UNIT	PAPER NUMBER
		•	3681	
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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	Application No.		
Office Action Summan	10/772,481	COXON ET AL.	
Office Action Summary	Examiner	Art Unit	
	Rodney H. Bonck	3681	lelva a a
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet	with the correspondence ad	aress
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a least of the period for reply is specified above, the maximum statutory perion of the period for reply within the set or extended period for reply will, by stated any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may reply within the statutory minimum of od will apply and will expire SIX (6) N tute, cause the application to become	a reply be timely filed thirty (30) days will be considered time SONTHS from the mailing date of this c ABANDONED (35 U.S.C. § 133).	y. ommunication.
Status			
1) Responsive to communication(s) filed on 05	5 February 2004.		
,,	his action is non-final.		
3) Since this application is in condition for allow	wance except for formal m	atters, prosecution as to the	e merits is
closed in accordance with the practice unde	£1	D.D. 11, 453 O.G. 213.	* ** **
Disposition of Claims	· · · · · · · · · · · · · · · · · · ·		gerandi di garagan. Hemman Garagan
	_	and the second s	
4) Claim(s) 1-3 is/are pending in the applicatio			
4a) Of the above claim(s) is/are without	rawn from consideration.		
5) \subseteq Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-3</u> is/are rejected. 7)□ Claim(s) is/are objected to.		•	
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction an	d/or election requirement.		
o) Claim(s) are subject to restriction and			
Application Papers			
9) The specification is objected to by the Exam			
10)⊠ The drawing(s) filed on <u>05 February 2004</u> is			iner.
Applicant may not request that any objection to			·
Replacement drawing sheet(s) including the con			
11) The oath or declaration is objected to by the	Examiner. Note the attac	hed Office Action or form P	TO-152.
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for fore	eign priority under 35 U.S.(C. § 119(a)-(d) or (f).	- ,
a)⊠ All b)□ Some * c)□ None of:			
1.⊠ Certified copies of the priority docum	ents have been received.		
2. Certified copies of the priority docum		n Application No	•
3. Copies of the certified copies of the p			Stage
application from the International But			
* See the attached detailed Office action for a		not received.	
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Attachment(s)	A)	ou Cummery (DTO 442)	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	Paper	ew Summary (PTO-413) No(s)/Mail Date	
2) ☐ Notice of Draftsperson's Patent Drawing Review (P10-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB	/08) 5) ☐ Notice	of Informal Patent Application (PT	O-152)
Paper No(s)/Mail Date <u>02/05/04</u> .	6) [_] Other:	·	
.S. Patent and Trademark Office	e Action Summary	Part of Paper No./Mail [Oato 04112005

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DETAILED ACTION

The following is a first action on the merits of application Serial No.10/772,481, filed February 5, 2004.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

Receipt is acknowledged of the Information Disclosure Statement filed February 5, 2004. The cited documents have been considered.

Specification

The disclosure is objected to because of the following informalities:

In line 8 of page 1, "pre-en rgiz r" should be - pre-energizer --.

In line 16 of page 1, "synchronizes" should be - synchronizers --.

The reference to a specific claim number (line 25 of page 1) is objected to because the claims can be amended, renumbered, or canceled during prosecution, rendering meaningless the reference thereto.

In line 26 of page 2, "alone" should be – along --.

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In the last line of page 2, "D tail d D scription of th Drawings" should be — Detailed Description of the Drawings --.

In line 12 of page 3, "g ars" should be - gears --.

In line 16 of page 3, "affix d" should be – affixed --.

In line 32 of page 3, "include s" should be - includes --.

In line 29 of page 4, "mat" should be – mate --.

In line 15 of page 5, "ware" should be – wear --.

In line 32 of page 6, "reach" should be - reached --.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Nellums('437). Nellums discloses a synchronizer including a hub 32, first and second jaw teeth 28,30, a shift sleeve 34, first and second friction surfaces 24,26, first and second blocker surfaces 44,46, pre-energizing means 52, first and second self-energizing surfaces 70a,70b separated by non-self-energizing surfaces 70c, third and fourth self-energizing surfaces 72a,72b separated by non-self-energizing surfaces 72c, a member 63 mounted on the shift sleeve, and detent means 62. The hub includes an

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annular flange defining external splines 38 and has a radial bore receiving resilient means 58 for biasing the follower 62 into engagement with a detent in the sleeve. The detent is formed at 63a in a radially inward facing surface of the internal splines 36.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Jackson(US 2003/0006116 A1), Braun('727), and Braun et al.('516) show similar synchronizers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney H. Bonck whose telephone number is (571) 272-7089. The examiner can normally be reached on Monday-Friday 7:00AM - 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles A. Marmor can be reached on (571) 272-7095. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rodney H. Bonck Primary Examiner Art Unit 3681

rhb April 11, 2005

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

02-ELT-833

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete If Known Substitute for form 1449/PTO 10/772481 **Application Number** Filing Date 02/05/04 INFORMATION DISCLOSURE First Named Inventor Dave C6xon STATEMENT BY APPLICANT Art Unit 681 BONCK (Use as many sheets as necessary) **Examiner Name**

Attorney Docket Number

U. S. PATENT DOCUMENTS Evaminer Cite Document Number Publication Date Name of Patentee or Pages, Columns, Lines, White Columns Cite Document Number Publication Date Name of Patentee or Pages, Columns Cite Document Number Publication Date Name of Patentee or Pages, Columns Cite Document Number Publication Date Name of Patentee or Pages Columns Cite Document Number Publication Date Name of Patentee or Pages Columns Cite Document Number Publication Date Name of Patentee or Pages Columns Cite Document Number Publication Date Name of Patentee or Pages Columns Cite Document Number Publication Date Name of Patentee or Pages Columns Cite Document Number Publication Date Name of Patentee or Pages Columns Cite Cite					
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OHE		^{US-} 5,425,437	06-20-1995	Nellums, Richard A	
RHD		^{US-} 4,641,734	02-10-1987	Muller Erich et al	
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Examiner Initials*	Cite No.1	Foreign Patent Document	GN PATENT DOCL Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Examiner Signature	Bodney H. Bonck	Date Considered	04/11/05

*EXAMINER: Initial if reference considered, whather or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this folial with AEXI communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gog or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Mind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English tanguage

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Notice of References Cited Application/Control No. 10/772,481 Applicant(s)/Patent Under Reexamination COXON ET AL. Examiner Art Unit Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-2003/0006116 A1	01-2003	Jackson, Graeme A.	192/53.31
	В	US-5,544,727	08-1996	Braun, Eugene R.	192/53.31
	C	US-5,588,516	12-1996	Braun et al.	74/339
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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

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